Species Tag:	63006	Species Name:	HNO3-v5
Version:	1		Nitric acid,
Date:	Aug. 1990		$\nu_5 = 1$ state
Contributor:	E. A. Cohen		
Lines Listed:	13269	Q(300.0)=	27938.295
Freq. (GHz) <	999	Q(225.0)=	18150.984
Max. J:	79	Q(150.0)=	9878.703
LOGSTR0=	-8.9	Q(75.00)=	3493.815
LOGSTR1=	-7.3	Q(37.50)=	1236.801
Isotope Corr.:	0.0	Q(18.75)=	438.329
Egy. (cm^{-1}) >	878.6	Q(9.375)=	155.812
μ_a =	1.986	A=	13003.61
μ_b =	0.882	B=	12044.39
μ_c =		C=	6242.055

These measurements have been fitted to data from F. C. De Lucia, private communication. The data are unpublished and have not been merged with the predicted spectrum. There is apparently some perturbation due to the proximity of $2\nu_9$. This is not taken into account in this calculation, and the user is cautioned that some transitions may be in error by more than the calculated uncertainties indicate. The dipole moment was assumed to be the same as for the ground state.